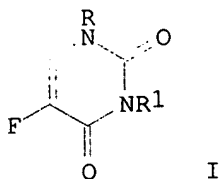


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L17 ANSWER 5 OF 5 CAPLUS COPYRIGHT 1996 ACS  
 ACCESSION NUMBER: 1977:16695 CAPLUS  
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 TITLE: 5-Fluorouracil derivatives  
 INVENTOR(S): Ishida, Torao; Nishimura, Daikichi; Sugawara, Toshiaki; Ooka, Tadaaki  
 PATENT ASSIGNEE(S): Asahi Chemical Industry Co., Ltd., Japan  
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AB 5-Fluorouracil derivs. [I; R = Me(CH<sub>2</sub>)<sub>16</sub>CO, Me(CH<sub>2</sub>)<sub>15</sub>CO, Me(CH<sub>2</sub>)<sub>14</sub>CO, R<sub>1</sub> = H; R = H, R<sub>1</sub> = Bz, 4-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>CO], with improved cancer-inhibiting activity, are prepd. by acylation of 5-fluorouracil (II) with anhydrides or acid chlorides. Thus, reaction of 2.6 g II with 5.6 g BzCl in 10 ml pyridine and 10 ml dioxane for 1.5 hr at 80.degree. gives 1.5 g (32%) I (R = H, R<sub>1</sub> = Bz). Spectra of I are given as well as biol. tests.